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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/615,643	07/13/2000	Thomas L. Meredith	N-6089RSM	4680	
23456	7590 12/18/2001				
WADDEY & PATTERSON			EXAMINER		
414 UNION STREET, SUITE 2020 BANK OF AMERICA PLAZA			PELLEGRIN	PELLEGRINO, BRIAN E	
NASHVILL	E, TN 37219		ART UNIT	PAPER NUMBER	
			3738	-	

Please find below and/or attached an Office communication concerning this application or proceeding.

09/615,643 MEREDITH, THOMAS L

Office Action Summary		merceorn, monto e.
onice Action Summary	Examiner	Art Unit
The MAU INC DATE of this area is also	Brian E Pellegrino	3738
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the	correspondence address
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, - Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).  Status	within the statutory minimum of thirty (30) da iil apply and will expire SIX (6) MONTHS from cause the application to become ABANDONI	mely filed  ys will be considered timely.  The mailing date of this communication.
1)⊠ Responsive to communication(s) filed on <u>13 J</u>	ulv 2000	
	s action is non-final.	
3) Since this application is in condition for allowa		rosecution as to the merits is
closed in accordance with the practice under b	Ex parte Quayle, 1935 C.D. 11,	453 O.G. 213.
Disposition of Claims	ice.	
4) ☐ Claim(s) 1-32 is/are pending in the application.  4a) Of the above claim(s) is/are withdraw		
4a) Of the above claim(s) is/are withdraw	n from consideration.	
5) Claim(s) is/are allowed.	را مين المنظم المنظ المنظم المنظم المنظ	ne en langer agent (1996) en ges Ling Etamilia nakan
6)⊠ Claim(s) <u>1-32</u> is/are rejected.		
7) Claim(s) is/are objected to.	· · · · · · · · · · · · · · · · · · ·	en treeze various and a second
8) Claim(s) are subject to restriction and/or	election requirement.	* * * * * * * * * * * * * * * * * * *
Application Papers		
9) The specification is objected to by the Examiner	Çermenin manima alan gere en eg	
10) The drawing(s) filed on is/are: a) accep	ted or b)  objected to by the Exa	miner.
Applicant may not request that any objection to the		
11) The proposed drawing correction filed on		
If approved, corrected drawings are required in rep		
12) The oath or declaration is objected to by the Exa	miner.	
Priority under 35 U.S.C. §§ 119 and 120		· · · · · · · · · · · · · · · · · · ·
13) Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. § 119(a	a)-(d) or (f).
		ma. Historia de la composição
1. Certified copies of the priority documents	have been received.	Man California de la companya de la
2. Certified copies of the priority documents		ion No.
<ul> <li>3. Copies of the certified copies of the priori</li> <li>application from the International Burn</li> <li>* See the attached detailed Office action for a list of</li> </ul>	ty documents have been receive eau (PCT Rule 17.2(a)).	ed in this National Stage
14) Acknowledgment is made of a claim for domestic	priority under 35 U.S.C. § 119(	e) (to a provisional application)
a)  The translation of the foreign language prov 15) Acknowledgment is made of a claim for domestic	visional application has been rec	ceived.
Attachment(s)	2 2 120	, and or 121.
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 3.		y (PTO-413) Paper No(s) Patent Application (PTO-152)
J.S. Patent and Trademark Office		

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## **DETAILED ACTION**

## Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

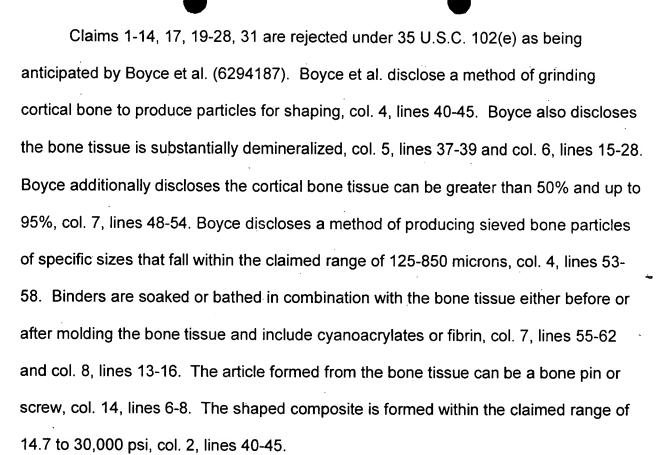
A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- (e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) do not apply to the examination of this application as the application being examined was not (1) filed on or after November 29, 2000, or (2) voluntarily published under 35 U.S.C. 122(b). Therefore, this application is examined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

Claims 1, 8, 10-12, 14, 19, 25, 28, 32 are rejected under 35 U.S.C. 102(b) as being anticipated by Glimcher et al. (5565502). Fig. 1 discloses a method of using bone tissue and grinding or milling the bone tissue to form a composite, see also col. 6, lines. 53-54. Glimcher et al. also disclose to the ground bone particles are within the claimed range of 125-850 microns in size, col. 6, line 55. Glimcher also discloses a binder, such as a cyanoacrylate can be added either-before molding-or after molding-and can be applied by spraying, col. 11, lines 57-64.

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## Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 15, 16, 18, 29, 30 are rejected under 35 U.S.C. 103(a) as being unpatentable over Boyce '187. Boyce is explained supra. However, Boyce does not disclose the various cyanoacrylates used and to use a die for shaping the composite. It

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would have been obvious to one of ordinary skill in the art to use a die for shaping the composite, as dies are well known in the art for shaping bone tissue compositions.

It would have been an obvious matter of design choice to use ester chain or long chain cyanoacrylates, since applicant has not disclosed that using ester chain or long chain cyanoacrylates solves any stated problem or is for any particular purpose and it appears that the cyanoacrylates used would perform equally well with the bone tissue.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brian Pellegrino whose telephone number is (703) 306-5899. The examiner can normally be reached on Monday-Thursday from 7:30am to 5pm. The examiner can also be reached on alternate Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Corrine McDermott, can be reached at (703) 308-2111. The fax phone number for the organization where this application or proceeding is assigned is (703) 308-2708.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0858.

Brian E. Pellegrino

Bruce Snow
Primary Examiner

TC 3700, AU 3738 December 17, 2001